

**WHAT IS CLAIMED IS:**

1. A tire structure comprising:

an outer tire including a tread and two sidewalls extending from two sides of said tread, a lip portion formed on each of two sidewalls of said outer tire, said lip  
5 portions adapted to be engaged with a wheel rim;

an inner member located inside of said outer tire and two peripheral edges of said inner member connected between two opposite insides of said two sidewalls of said outer tire, said positions where said two peripheral edges of said inner member are connected to said insides of said sidewalls are located above said two  
10 respective lip portions, and

a valve connected to said inner member and communicating with a space defined between said outer tire and said inner member.

2. The tire structure as claimed in claim 1, wherein said valve is located at a position where has an equal distance to said two peripheral edges of said inner  
15 member.

3 The tire structure as claimed in claim 1, wherein said two peripheral edges of said inner member are adhered to said insides of said sidewalls of said outer tire during sulfurizing process when manufacturing the tire.

4 The tire structure as claimed in claim 1, wherein a releasing agent is  
20 spread on an inner surface of said inner member and an inner surface of said outer tire except for said two peripheral edges of said inner member.